

New #
OH199918

Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

See New Job as per
attached e-mail

C10-OH

Job Sheet OH198445



Part No: C10-OH

Job Qty: 1 pcs

Part Name: C-Series Remote Hook 10,000 lbs Lift Capacity



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 7/29/19

Job Tracking No:

Due Date: 9/23/19

Created By: Jennifer Renwick

Type: Rework - OH

Description:

Note: O&OPM-C10 REV.4 IPP REV:A 18.01.30 NEW ISSUE DD VERF:DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier Lead Time		
110	External Load - Issue SN	1 pcs	9/23/19		0.00	1.00	External Load - 1		JR 5201271
							External Load - 2		
							External Load - 3		
115	External Load - 2 - B4B	1 pcs	9/23/19		0.00	1.00	External Load - 1 - B4B		
							External Load - 2 - B4B		
							External Load - 3 - B4B		
120	QC 5	1 pcs	9/23/19		0.00	0.00	QC 5 - 10		Canceled
							QC 5 - 12		
							QC 5 - 17		
							QC 5 - 18		
							QC 5 - 19		
							QC 5 - 22		
							QC 5 - 24		
							QC 5 - 3		
							QC 5 - 43		
							QC 5 - 49		
							QC 5 - 51		
							QC 5 - 58		
							QC 5 - 68		
							QC 5 - 9		
							QC 5 - 50		
							QC 5 - 30		
							QC 5 - 40		
							QC 5 - 61		
							QC 5 - 81		
130	Customer Acceptance	1 pcs	9/23/19		0.00	0.00			
140	Outsource - 2 - NDT per QSI038	1 pcs	9/23/19				SKY002-VC	5	
150	Packaging 2-1 - Receive - B4B	1 pcs	9/23/19		0.00	0.00	Packaging 2 - 1 - B4B		
							Packaging 2 - 2 - B4B		
							Plex 7/29/19 2:26 PM Dart.Renwick.Jennifer		

Cancelled

					Packaging 2 - 3 - B4B					
					Packaging 2 - 5 - B4B					
					Packaging 2 - 4 - B4B					
					Packaging 2 - 6 - B4B					
					Packaging 2 - 7 - B4B					
					Packaging 2 - 8 - B4B					
					Packaging 2 - 9 - B4B					
					Packaging 2 - 10 - B4B					
					Packaging 2 - 11 - B4B					
					Packaging 2 - 12 - B4B					
					Packaging 2 - 13 - B4B					
					Packaging 2 - 14 - B4B					
					Packaging 2 - 15 - B4B					
					Packaging 2 - 16 - B4B					
					Packaging 2 - 17 - B4B					
					Packaging 2 - 18 - B4B					
					Packaging 2 - 19 - B4B					
					Packaging 2 - 20 - B4B					
					Packaging 2 - 21 - B4B					
					Packaging 2 - 22 - B4B					
					Packaging 2 - 23 - B4B					
					Packaging 2 - 24 - B4B					
					Packaging 2 - 25 - B4B					
					Packaging 2 - 26 - B4B					
					Packaging 2 - 27 - B4B					
					Packaging 2 - 28 - B4B					
					Packaging 2 - 29 - B4B					
					Packaging 2 - 30 - B4B					
					Packaging 2 - 31 - B4B					
					Packaging 2 - 32 - B4B					
					Packaging 2 - 33 - B4B					
					Packaging 2 - 34 - B4B					
					Packaging 2 - 35 - B4B					
					Packaging 2 - 36 - B4B					
					160 QC 6	1 pcs	9/23/19	0.00 0.00	QC 6 - 9	
									QC 6 - 68	
QC 6 - 61										
QC 6 - 40										
QC 6 - 81										
165 External Load - 3 - B4B	1 pcs	9/23/19	0.00 0.50	External Load - 1 - B4B						
				External Load - 2 - B4B						
				External Load - 3 - B4B						
170 QC 5	1 pcs	9/23/19	0.00 0.00	QC 5 - 10						
				QC 5 - 12						
				QC 5 - 17						
				QC 5 - 18						
				QC 5 - 19						
				QC 5 - 22						
				QC 5 - 24						
				QC 5 - 3						
				QC 5 - 43						
				QC 5 - 49						
				QC 5 - 51						
				QC 5 - 58						
				QC 5 - 68						
				QC 5 - 9						
				QC 5 - 50						
				QC 5 - 30						
					Plex 7/29/19 2:26 PM Dart.Renwick.Jennifer					

Plex 7/29/19 2:26 PM Dart.Renwick.Jennifer

				QC 5 - 40	
				QC 5 - 61	
				QC 5 - 81	
175	Outsource - 15 - Nickel Plate	1 pcs	9/23/19	GRO002-VC	10
180	Packaging 2-2 - Receive - B4B	1 pcs	9/23/19	0.00 0.00	Packaging 2 - 1 - B4B
				Packaging 2 - 2 - B4B	
				Packaging 2 - 3 - B4B	
				Packaging 2 - 5 - B4B	
				Packaging 2 - 4 - B4B	
				Packaging 2 - 6 - B4B	
				Packaging 2 - 7 - B4B	
				Packaging 2 - 8 - B4B	
				Packaging 2 - 9 - B4B	
				Packaging 2 - 10 - B4B	
				Packaging 2 - 11 - B4B	
				Packaging 2 - 12 - B4B	
				Packaging 2 - 13 - B4B	
				Packaging 2 - 14 - B4B	
				Packaging 2 - 15 - B4B	
				Packaging 2 - 16 - B4B	
				Packaging 2 - 17 - B4B	
				Packaging 2 - 18 - B4B	
				Packaging 2 - 19 - B4B	
				Packaging 2 - 20 - B4B	
				Packaging 2 - 21 - B4B	
				Packaging 2 - 22 - B4B	
				Packaging 2 - 23 - B4B	
				Packaging 2 - 24 - B4B	
				Packaging 2 - 25 - B4B	
				Packaging 2 - 26 - B4B	
				Packaging 2 - 27 - B4B	
				Packaging 2 - 28 - B4B	
				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
185	QC 6	1 pcs	9/23/19	0.00 0.00	QC 6 - 9
				QC 6 - 68	
				QC 6 - 61	
				QC 6 - 40	
				QC 6 - 81	
190	External Load - 4 - B4B	1 pcs	9/23/19	0.00 1.33	External Load - 1 - B4B
				External Load - 2 - B4B	
				External Load - 3 - B4B	
195	QC 5	1 pcs	9/23/19	0.00 0.00	QC 5 - 10
				QC 5 - 12	
				QC 5 - 17	
				QC 5 - 18	
				QC 5 - 19	
				QC 5 - 22	
				QC 5 - 24	
				QC 5 - 3	
				QC 5 - 43	
				QC 5 - 49	
					Plex 7/29/19 2:26 PM Dart.Renwick.Jennifer

						QC 5 - 51	
						QC 5 - 58	
						QC 5 - 68	
						QC 5 - 9	
						QC 5 - 50	
						QC 5 - 30	
						QC 5 - 40	
						QC 5 - 61	
						QC 5 - 81	
200	Packaging 3-2 - Stock - B4B	1 pcs	9/23/19	0.00	0.00	Packaging 3 - 1 - B4B	
						Packaging 3 - 2 - B4B	
						Packaging 3 - 3 - B4B	
						Packaging 3 - 4 - B4B	
						Packaging 3 - 5 - B4B	
						Packaging 3 - 6 - B4B	
						Packaging 3 - 7 - B4B	
						Packaging 3 - 8 - B4B	
						Packaging 3 - 9 - B4B	
						Packaging 3 - 10 - B4B	
						Packaging 3 - 11 - B4B	
						Packaging 3 - 12 - B4B	
						Packaging 3 - 13 - B4B	
						Packaging 3 - 14 - B4B	
						Packaging 3 - 15 - B4B	
						Packaging 3 - 16 - B4B	
						Packaging 3 - 17 - B4B	
						Packaging 3 - 18 - B4B	
						Packaging 3 - 19 - B4B	
						Packaging 3 - 20 - B4B	
						Packaging 3 - 21 - B4B	
						Packaging 3 - 22 - B4B	
						Packaging 3 - 23 - B4B	
						Packaging 3 - 24 - B4B	
						Packaging 3 - 25 - B4B	
						Packaging 3 - 26 - B4B	
						Packaging 3 - 27 - B4B	
						Packaging 3 - 28 - B4B	
						Packaging 3 - 29 - B4B	
						Packaging 3 - 30 - B4B	
						Packaging 3 - 31 - B4B	
						Packaging 3 - 32 - B4B	
						Packaging 3 - 33 - B4B	
						Packaging 3 - 34 - B4B	
						Packaging 3 - 35 - B4B	
						Packaging 3 - 36 - B4B	
210	DC - 1 - B4B	1 pcs	9/23/19	0.00	0.00	DC - 1 - B4B	
						DC - 2 - B4B	
220	QC 21 - FG	1 pcs	9/23/19	0.00	0.00	QC 21 - FG - 21	
						QC 21 - FG - 70	
						QC 21 - FG - 53	
Part Op 110 - Issue S/N							
Descriptions: 115 - TEST ASSEMBLY. DISASSEMBLE ASSEMBLY. INSPECT DAMAGE PART.							
120 - (QC5- Inspect part completeness to step on W/O)							
140 - LIQUID PENETRANT INSPECTION AS PER QSI 038							
150 - (Receive & Inspect for Damage & Mat'l Certs)							
160 - Triage parts to be sent out for plating							
165 - Prepare for nickel plate							
170 - (QC5- Inspect part completeness to step on W/O)							
175 - -Issue P/O; _____-Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0004- .0006 -Bake after plating -Material type; 4140 -Certificate of Conformity is required							
Plex 7/29/19 2:26 PM Dart.Renwick.Jennife							

- 180** - (Receive & Inspect for Damage & Mat'l Certs)
185 - (QC6- All purchased or subcontracted products)
190 - RE-ASSEMBLE. ***All assembly to be done in accordance with manual*** TEST ASSEMBLY.
195 - (QC5- Inspect part completeness to step on W/O)
200 - (Identify as per dwg & Stock Location: _____)
210 - Photocopy blue file manual and create labels
220 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
C10-AR	C-Series Remote Hook 10,000 lbs Lift Capacity	1 Ea (1 ea)	110-External Load - Issue SN	
188-FPSS-1/4-20-3/8	Set Screw	2 Ea (2 ea)	190-External Load - 4 - B4B	
188-FPSS-1032-1/4	Set Screw	2 Ea (2 ea)	190-External Load - 4 - B4B	
188-SHCS-1032-3/4	Bolt	8 Ea (8 ea)	190-External Load - 4 - B4B	
600.1309	Label	1 pcs (1 ea)	190-External Load - 4 - B4B	
600.1347	C10 Warning Label	1 pcs (1 ea)	190-External Load - 4 - B4B	
AN4-23A	Bolt	2 Ea (2 ea)	190-External Load - 4 - B4B	
AN6-31A	Bolt	6 Ea (6 ea)	190-External Load - 4 - B4B	
C10-10-2	Actuator Pin	1 pcs (1 ea)	190-External Load - 4 - B4B	
C10-10-3	Actuator Bushing	2 pcs (2 ea)	190-External Load - 4 - B4B	
C10-21-4	Lock Washer	8 Ea (8 ea)	190-External Load - 4 - B4B	
C10-22	Bumper	3 pcs (3 ea)	190-External Load - 4 - B4B	
C10-23-1	Keeper Spacer	1 pcs (1 ea)	190-External Load - 4 - B4B	
C10-23-2	Keeper Spring	1 pcs (1 ea)	190-External Load - 4 - B4B	
C10-23-3	Keeper Bushing	2 pcs (2 ea)	190-External Load - 4 - B4B	
C10-3	Load Beam Bumper	1 pcs (1 ea)	190-External Load - 4 - B4B	
C10-4-10	Spring Anchor Pin	2 pcs (2 ea)	190-External Load - 4 - B4B	
C10-4-6	Lock Spring	1 pcs (1 ea)	190-External Load - 4 - B4B	
C10-4-7	Spring Retaining Pin	1 pcs (1 ea)	190-External Load - 4 - B4B	
C10-4-8	Lock Bushing	2 pcs (2 ea)	190-External Load - 4 - B4B	
C10-4-9	Upper Roller DU Bearing	1 pcs (1 ea)	190-External Load - 4 - B4B	
C10-7	Locating Pin	3 pcs (3 ea)	190-External Load - 4 - B4B	
C10-8	Trunnion Bushing	2 pcs (2 ea)	190-External Load - 4 - B4B	
C10-9-2	Latch Bearing	1 Ea (1 ea)	190-External Load - 4 - B4B	
C10-9-4	Latch Shaft Bearing	2 pcs (2 ea)	190-External Load - 4 - B4B	
C10-9-6	Latch Return Spring	2 Ea (2 ea)	190-External Load - 4 - B4B	
C2-14-2	Label Rivets	2 Ea (2 ea)	190-External Load - 4 - B4B	
C3-12-6	Lock Roller Pin Circlip	2 Ea (2 ea)	190-External Load - 4 - B4B	
C45-12-6	Retaining Ring	2 Ea (2 ea)	190-External Load - 4 - B4B	
C45-8-4	Solenoid Cover Gasket	1 pcs (1 ea)	190-External Load - 4 - B4B	
MS21044N6	Nut, Self-Lock .375-24,UNJF-3B	6 Ea (6 ea)	190-External Load - 4 - B4B	
MS21083N4	Nut	2 Ea (2 ea)	190-External Load - 4 - B4B	
MS27039-4-08	Screw	1 Ea (1 ea)	190-External Load - 4 - B4B	
NAS1149F0432P	Washer (AN960-416L)	2 Ea (2 ea)	190-External Load - 4 - B4B	
NAS1149F0463P	Washer (AN960-416)	3 Ea (3 ea)	190-External Load - 4 - B4B	
NAS1149F0632P	Washer (AN960-616L)	12 Ea (12 ea)	190-External Load - 4 - B4B	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-External Load - Issue SN	C10	1	0	0
190-External Load - 4 - B4B	188-FPSS-1/4-20-3/8	2	139	0
	188-FPSS-1032-1/4	2	119	0
	188-SHCS-1032-3/4	8	297	0
	600.1309	1	100	0
	600.1347	1	0	0
	AN4-23A	2	637	0
	AN6-31A	6	66	0
	C10-10-2	1	96	0
	C10-10-3	2	27	0
	C10-21-4	8	213	0
	C10-22	3	40	0
	C10-23-1	1	47	0
	C10-23-2	1	26	0
	C10-23-3	2	22	0
	C10-3	1	11	0
	C10-4-10	2	84	0
	C10-4-6	1	11	0
	C10-4-7	1	12	0
	C10-4-8	2	38	0
	C10-4-9	1	11	0
	C10-7	3	124	0
	C10-8	2	0	0
	C10-9-2	1	11	0
	C10-9-4	2	0	0
	C10-9-6	2	18	0
	C2-14-2	2	118	0
	C3-12-6	2	68	0
	C45-12-6	2	98	0
	C45-8-4	1	43	0
	MS21044N6	6	51	0
	MS21083N4	2	150	0
	MS27039-4-08	1	203	0
	NAS1149F0432P	2	1,400	0
	NAS1149F0463P	3	618	0
	NAS1149F0632P	12	324	0

Part Specifications

Specifications could not be found.

Plex 7/29/19 2:26 PM Dart.Renwick.Jennifer



Job Allocation

Job: 192612



Component Part:



Warehouse:



Part:



Component Part Type:



Start Date:



Due Date:



Job Set:

Unfulfilled Only: ☐Active Containers Only: ☒

Add to Master Unit

Master Unit No:



(Blank to Suppress Add to Master)

Job	Job Set	Part No	Due Date	Quantity	Start Date	Operation	Component Part	Reqd	Inv	Alloc	Unit	Scan Serial No Add Job No to Allocated Container:	Container No(s) / Location
192612		D412-694-011	9/16/19	1 pcs	9/16/19	140 - Packaging 1 - Pick Kit	BSP45	48	0	0	Ea		
							D2126	12.1666	127.1168	0	ft		
							D3090-1	4	0	0	pcs		
							D3090-3	4	0	0	pcs		
							D3108-1	2	15	0	pcs		
							D3108-2	2	7	0	pcs		
							D3108-3	4	12	0	pcs		
							D3108-5	4	14	0	pcs		
							D3108-7	2	1	0	pcs		
							D3116-1	8.3333	0	0	pcs		
							D3116-3	8.3333	0	0	ft		
							D3116-9	8.6660	112	0	pcs		
							D3118-3	4	7	0	pcs		
							D3118-5	4	0	0	pcs		
							D3128-1	4	0	0	pcs		
							D3144-15	2	0	0	pcs		
							D3300-1	2	4	0	pcs		
							D412-694-01	1	0	0	pcs		
							D412-694-02	1	0	0	pcs		
							D412-694-03	1	0	0	pcs		
							D412-694-04	1	0	0	pcs		
							D412-694-115	4	2	0	pcs		
							DSI 9363-011	1	0	0	pcs		

Inspection Sheet Complete RA749

Part Number	Original Batch / Serial # / Ctrl #	Original Revision #	Quantity	Part Complete	Rev/CHG Current	New Paperwork	New Labels	Disposition	Original Container #	New (Receiving) Serial #	New Job #	Work order instructions
C-10	03-2284-02		1	☒ Yes	☐ Yes	☐ Yes	☒ Yes	CUSTOMER SUPPLIED		S201030	0H198845	Overhaul
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					

QC Approval: _____
Date: 0-Jan-00

Special Return/Rework Instructions:

S201271



RETURN AUTHORIZATION

ORIGINAL PO INFORMATION					
Date: <u>24-Jul-2019</u>			DART RA Number: <u>RA749</u>		
Customer Name: <u>Helicopter Transport Services, LLC</u>			Reason: <u>Other</u>		
Customer Code: <u>CHTRA06</u>			Customer PO#: <u>TBA</u>		
Telephone No: <u>503-776-9300</u>			DART Invoice #: _____		
E-mail Address: <u>sullivanj@htshelicopters.com</u>			Approved by: _____		
Contact Name: <u>Jerry Sullivan</u>			PAR/CAR/NCR/SQ/CASE: _____		
Issued by: <u>Jennifer Renwick</u>			Customer QA Ref #: _____		
Part Number	Description	Quantity	Flown	Customs Value (ea)	Original Batch # / Serial # & Revision
C10	Hook	1	Yes	\$500	03-2284-02 v
Details: We have a C-10 cargo hook, serial number 03-2284-02 that will require overhaul evaluation and testing to see if it had inadvertently dropped a load. I will be using our repair order number HTR-5904. Management would like a quick answer on this, regarding the possibility of it dropping the load, in other words a full report as to testing, condition etc. I know normally there is a long lead time, also please advise the overhaul cost.					
Special Return/Rework Instructions: inadvertently DROPPED LOAD - OVERHAUL EVALUATION AND TESTING REPORT NEEDED. CONTACT MARCEL AND CUSTOMER SERVICE ONCE UNIT ARRIVES					
Special Credit Instructions:					
SHIPPING					
Shipping Instructions:		Courier _____		Customers Choice _____	
		Account # _____		Customers Account _____	
RECEIVING					
Receiver: _____		Natasha Bélanger			
Date Received: _____		29-Jul-2019			
CREDIT					
Issue Credit: Yes No		Credit Invoice Amount: _____			
Credit Note: _____		Restocking Fee: 0%			
Approval: _____		Date: _____		Freight: _____	
		Net Credit: \$0.00			
Closed by: _____		Close Date: _____			

RA749

Received Date:

29-Jul-2019

Inspection date:

QC Approval:

REWORK/REPAIR/OVERHAUL				
Part Number	Description	Quantity	Original Batch # / Serial # & Revision	TA1
FALS		FALS		



**HELICOPTER
TRANSPORT
SERVICES**

Helicopter Transport Services, LLC
14497 Keil Road NE, Aurora, OR 97002
Phone: 503-776-9300 Fax: 503-776-9304
<http://www.htshelicopters.com/>

Overhaul Order #HTR-5904	
Date	Jul 24, 2019
Created By	Jerry Sullivan
Type	Overhaul
Currency	USD
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Overhaul Order #HTR-5904

To DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A2H8 CANADA Tel: 613-632-3336, Fax: 613-632-4443 Email: ccrooks@dartaero.com/lcantin@dartaero.com / Lacey Cantin ext 247	Order from UAO Helicopter Transport Services, LLC 14497 Keil Rd NE Aurora, OR 97002 USA Tel: 503-776-9300, Fax: 503-776-9305
Ship to UAO Helicopter Transport Services, LLC 14497 Keil Rd NE Aurora, OR 97002 Accounting: htsaccounting@htshelicopters.com Procurement: htsparts@htshelicopters.com Tel: 503-776-9300, Fax: 503-776-9305	Bill to UAO Helicopter Transport Services, LLC 14497 Keil Rd NE Aurora, OR 97002 Accounting: htsaccounting@htshelicopters.com Procurement: htsparts@htshelicopters.com Tel: 503-776-9300, Fax: 503-776-9305

**** Work to be accomplished at this time ****

Please, perform Overhaul

Parts description

Part Number	Description	Tracking #	Ser/Batch #	TTSN	TTSO	Reg	Est. Cost
C-10	REMOTE CARGO HOOK, 10,000 LBS	131870	03-2284-02				1491.00
C.C	Defect	RA749 Removed from N91158 for "Suspected" inadvertent releasing of load. Requires full test and evaluation for overhaul. HTS will require full report details. Flat rate overhaul, HTS will be notified of any changes. Certificate of Conformance is required showing work performed. Please address all questions or quotes to Michael Cleese, cleesem@htshelicopters.com, 503-776-9300 ext 111					

RA749

When the work is completed, please return the part(s) via FEDEX P1 no: 2698 8834 2

Signature

Date



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

QUOTE ACKNOWLEDGEMENT

CUSTOMER

Customer Code: CHTRA07

Sold To: Helicopter Transport Services
14497 Keil Road NE
Aurora, OR 97002
USA
Phone: 503-776-9300
Fax: 503-776-9305

Ship To: Helicopter Transport Services
14497 Keil Road NE
Aurora, OR 97002
USA
Phone: 503-776-9300
Fax: 503-776-9305

QUOTE

Quote No : 18247

Date: 7/24/19

Ship-To Contact: Jerry Sullivan

Email: sullivanj@htshelicopters.com

Cust PO No:

FOB: Shipping Point

Ship Via:

Freight Terms: PrePaid

Terms: Net 30

INCO Terms: Ex Works

Order Taker: Lacey Cantin

Order Taker Phone:

Order Taker Email: lcantin@dartaero.com

Line No	Due Date	Ship Date	Part	Description/Note	Quantity	Unit	Price	Unit	Extended Price
1			C10	C-Series Remote Hook 10,000 lbs Lift Capacity SN 03-2284-02	1	pcs	\$1,491.00USD	pcs	\$1,491.00 USD
Sub Total									\$1,491.00 USD
Grand Total									\$1,491.00 USD

ORDER NOTES

QUOTE FOR OVERHAUL - LEAD TIME 8 WEEKS AFTER RECEIPT OF ORDER // TESTING ON C10 HOOK NEEDED TO DETERMINE THE POSSIBILITY OF THE LOAD BEING INADVERTENTLY DROPPED

TAX ID #26-238912

All Prices Quoted In USD & Valid For 30 Days. All Parts Subject To Prior Sale & Are Ex-Works Manufacturing Facility In Hawkesbury, ON, Canada

Duties And Taxes Not Included In Quote

Freight Not Included In This Quote

Pricing may be revised upon receipt and inspection of unit. Revised quote will be sent to also include extra parts/time needed to perform repairs other than regular overhaul

RETURN AUTHORIZATION



RA #:

RA749

Date:

July 24, 2019

Attention:

Jerry Sullivan

E-mail:

sullivanj@htshelicopters.com

From:

Jennifer Renwick

RETURN ADDRESS

☒ Hawkesbury

Dart Aerospace Ltd

1270 Aberdeen Street

Hawkesbury, ON K6A 1K7, CA

1-613-632-3336

☐ Vista

Dart Aerospace Ltd.

3030 Enterprise Court, Suite A

Vista, CA 92081-8347, US

1-760-724-5300

☐ Broussard

Dart Aerospace Ltd.

105 Dalry Lane

Broussard, LA 70518, US

1-337-839-0500

SHIPPING

Courier: Customers Choice

Account #: Customers Account

COMMERCIAL INVOICE INFORMATION

Item #1		Item #2	
P/N:	C10	P/N:	0
Special Return/Rework Instructions:	Hook	Description:	0
Qty:	1	Qty:	0
Flown:	Yes	Flown:	0
Customs Value USD:	\$500	Customs Value USD:	\$0
Batch / Serial #	03-2284-02	Batch / Serial #	0
Item #3		Item #4	
P/N:	0	P/N:	0
Description:	0	Description:	0
Qty:	0	Qty:	0
Flown:	0	Flown:	0
Customs Value USD:	\$0	Customs Value USD:	\$0
Batch / Serial #	0	Batch / Serial #	0
Item #5		Item #6	
P/N:	0	P/N:	0
Description:	0	Description:	0
Qty:	0	Qty:	0
Flown:	0	Flown:	0
Customs Value USD:	\$0	Customs Value USD:	\$0
Batch / Serial #	0	Batch / Serial #	0

ADDITIONAL RETURN AUTHORIZATION INFORMATION

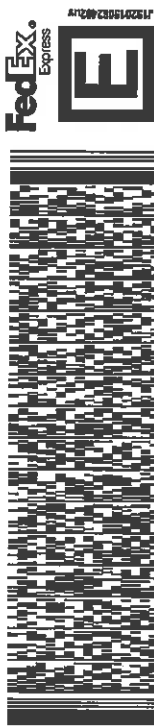
- Print RA form, complete Part Disposition section and include a copy with the shipment.
- Ensure the RA number is referenced on all documents. Failure to do so may result in delivery refusal.
- Ensure the shipment is directed to the correct facility referenced above. Failure to do so will result in delays and additional shipping costs.
- Commercial invoice must include the following statement: "Parts are aircraft parts being returned to the manufacturer."
- International shipments require commercial invoice attached to the outside of the box.
- Where applicable, the original Release Certificate, STC's, Installation Instructions, Maintenance Manual Supplement, Flight Manual Supplement, packing slips and removable tag must accompany the shipment.
- Return authorization expires in 30 days. If no charge products were supplied, these will be invoiced upon expiration of the RA.
- Returned items will be fully inspected by Quality Control and credit will be issued for items deemed to be new, un-flown, traceable and to the current revision.
- A 15% minimum restocking fee applies, additional fees may apply upon receipt and inspection if items require rework or cannot be returned to stock
- Items should be adequately packaged to prevent shipping damage.
- For complete terms & conditions, visit www.dartaerospace.com

PART DISPOSITION (To be completed and returned by customer)

Reason for return:

H:\Forms\Quality Assurance\approved QA Online\RA revK

ORIGIN ID: HIOA (503) 776-9300
 PARTS DEPARTMENT
 HELICOPTER TRANSPORT SVCS, LLC
 14497 KEIL RD NE
 AURORA, OR 97002 US
 SIGN: PARTS DEPARTMENT
 TO REPAIR / RA749
 DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY ON K6A2H8
 (613) 632-3336
 REF: HTR-5504 / RA749
 DEPT:
 PO:
 INV:
 BILL SENDER
 NO EEI 30.36
 SHIP DATE: 24JUL19
 ACTWGT: 40.00 LB
 CAD: 108196385/INET14160
 DIMS: 18x18x18 IN
 567 J2A6F9A05A2 (CA)



TRK# 7758 2455 8212
 0430
 PM
 INTL PRIORITY
 DSR
 K6A 2H8
 ON-CA YMX
 XQ YMXA



After printing this label:
 CONSIGNEE COPY - PLEASE PLACE IN FRONT OF POUCH
 1. Fold the printed page along the horizontal line.
 2. Place label in shipping pouch and affix it to your shipment.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkebury, ON K6A 1K7
CANADA
TEL.: 1 813 632-6200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S201030



Part: C10

Job No:

Serial No/Batch: 000000828

Revision:

Inspector:

Exp Date:

Instructions:

Date: 07/29/19



Remote Cargo Hook Test Form

C10

Work Order OH 198445

Customer RA 749

Serial Number 03-2284-02

Date 2019-7-29

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/fail
1	25,000	Static Hold	Hold for two Minutes and reduce load to zero	N/A	Pass
10	5,000	Electrical, 25 volts	No "hang ups" permitted	N/A	Pass
2	10,000	Electrical, 22 volts	Current shall not exceed 12.4A	8.8 Amp	Pass
2	7,500	Electrical			Pass
2	5,000	Electrical			Pass
2	2,500	Electrical			Pass
2	500	Electrical			Pass
1	10,000	Electrical			Pass
1	10,000	Electrical			Pass
1	10,000				Pass
1	10,000				Pass
1	N/A	Static			Pass
1	N/A	Electrical			Pass

Send test Results to CS
w/ to hear from cust.
if the OH198445
Done - tear back to
cond. Release.

Test Conducted By Michael Lab
Technician

Technician

Submit

Create RAW
Job -> swap
parts - as Req.
Ship as

Poucher
hall FAB / QA



Remote Cargo Hook Test Form

C10

Work Order OH 198445

Customer RA 749

Serial Number 03-2284-02

Date 2019-7-29

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/fail
1	25,000	Static Hold	Hold for two Minutes and reduce load to zero	N/A	Pass
10	5,000	Electircal, 25 volts	No "hang ups" permitted	N/A	Pass
2	10,000	Electircal, 22 volts	Current shall not exceed 12.4A	8.8 Amp.	Pass
2	7,500	Electircal, 22 volts	Current shall not exceed 12.4A	8.7 Amp.	Pass
2	5,000	Electircal, 22 volts	Current shall not exceed 12.4A	8.8 Amp.	Pass
2	2,500	Electircal, 22 volts	Current shall not exceed 12.4A	9.0 Amp.	Pass
2	500	Electircal, 22 volts	Current shall not exceed 12.4A	8.9 Amp.	Pass
1	10,000	Electircal, 20 volts	Current shall not exceed 11.3A	8.3 Amp.	Pass
1	10,000	Electircal, 28 volts	Current shall not exceed 15.8A	11.4 Amp.	Pass
1	10,000	Manual		N/A	Pass
1	10,000	Impact Test	Impact shackle 10 times, shall not release	N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 1.7-2.0 Ohms	1.7 Ohms	Pass
1	N/A	Electircal Continuity	Across both wires	N/A	Pass

Test Conducted By Michel Delande
Technician

Signature: Sylvie Boucher
QC 5 Small FAB / QA

Submit

Jennifer Renwick

From: Jennifer Renwick
Sent: Tuesday, August 20, 2019 12:08 PM
To: Sian Willems; David Duval
Cc: Daniel Paquette; Support; Caroline Ashby; Ashley Beecraft; Linda Lacelle
Subject: RE: HTR-5904, C-10 Hook Case 12973

Will do Sian. Can you add the note about the C of C on the no charge order? **CofC should have the following statement: tested per manual XXXXXX, list of parts replaced, not overhauled. John can sign the CofC.**

Hi David,

In Dan's absence can you please add rework ops to do the following under part# C10-ARW:

Pull the C10-AR hook on under the Rework-Start-up – External load 1
Then we need to assembly the below parts on External load – B4B and test

- 01004-08-047 wire qty. 1
- 32448 connectors qty. 2
- C45-8-4 gasket qty. 1
- EL-GLUG-M plug qty. 1

QC5
Packaging
QC21

Thank you,
Jen

From: Michelle GagnonDonovan <mgagnondonovan@dartaero.com>
Sent: Tuesday, August 20, 2019 11:16 AM
To: Sian Willems <swillems@dartaero.com>
Cc: John Chuprun <jchuprun@dartaero.com>; Jennifer Renwick <jrenwick@dartaero.com>; Support <support@dartaero.com>; Caroline Ashby <cashby@dartaero.com>; Ashley Beecraft <abeecraft@dartaero.com>
Subject: RE: HTR-5904, C-10 Hook Case 12973

Hello,

Part is now in Plex.

FYI C10-AR already existed, not sure if it is for the same thing.

Thanks,

Michelle Gagnon-Donovan
Document Controller

DART AEROSPACE
T 1 613 632-5300 > 251

5201271



From: Sian Willems <swillems@dartaero.com>
Sent: Tuesday, August 20, 2019 11:06 AM
To: Michelle GagnonDonovan <mgagnondonovan@dartaero.com>
Cc: John Chuprun <jchuprun@dartaero.com>; Jennifer Renwick <jrenwick@dartaero.com>; Support <support@dartaero.com>; Caroline Ashby <cashby@dartaero.com>; Ashley Beecraft <abeecraft@dartaero.com>
Subject: FW: HTR-5904, C-10 Hook Case 12973

Hi Michelle,
Can you please create C10-ARW?

Hi Jen,
Once this is created, can you please tear back C10-OH job OH198445 to put C10-AR s/n 03-2284-02 back into stock. Can you please coordinate with PEC's to create a process routing for the ARW?

We will be changing the following parts:

- C10-AR hook qty. 1 s/n 03-2284-02
- EL314-SJTOW wire qty. 1
- 32448 connectors qty. 2
- C45-8-4 gasket qty. 1
- EL-GLUG-M plug qty. 1

As per our conversation with Marcel, hook should be re-tested and test report filed with job. CofC should have the following statement: tested per manual XXXXXX, list of parts replaced, not overhauled. John can sign the CofC.

I'm still waiting on an RO from the customer. As soon as I have this I will add an order to Plex to ship on.

Thanks,
SIAN WILLEMS
Director of Customer Support

DART AEROSPACE
T 1 613 632-3336 > 239
M 1 613 676-0577

From: Support
Sent: Monday, August 19, 2019 3:32 PM
To: Jennifer Renwick <jrenwick@dartaero.com>
Cc: Support <support@dartaero.com>
Subject: FW: HTR-5904, C-10 Hook Case 12973

Hi Jen,

We had to cut the EL314-SJTOW wire to inspect it. We should replace this. Also the 32448 connectors (qty. 2).

Since we removed the solenoid cover, Alain also recommends we replace the C45-8-4 gasket.

As a customer service, let's also send a replacement EL-GLUG-M.

I would like the old wire, connectors and plug returned to customer.

Should I have a n ARW revision part with a custom process routing created to handle this?

Thanks,
SIAN WILLEMS
Director of Customer Support

DART AEROSPACE
T 1 613 632-3336 > 239
M 1 613 676-0577

From: Michael Cleese <cleesem@htshelicopters.com>
Sent: Thursday, August 15, 2019 1:01 PM
To: Support <support@dartaero.com>
Cc: Jerry Sullivan <sullivanj@htshelicopters.com>; fournierr@htshelicopters.com; Lacey Cantin <lcantin@dartaero.com>
Subject: Re: HTR-5904, C-10 Hook

Good Morning.
Please return the hook as delivered.
Thank you

On Thu, Aug 15, 2019 at 6:00 AM Support <support@dartaero.com> wrote:

Hi Jerry and Michael,

Thank you for your email.

Currently this hook is in our repair shop pending approval to proceed with an overhaul to return the unit to service. This was communicated to Rob on July 31.

Prior to this, Dart had completed a functional test and the test report was provided. Following the functional test, the hook solenoid housing and plug/wiring assemblies were disassembled to evaluate the condition of these components and no fault was found.

We can only provide a return to service certification if the overhaul is done. Otherwise, we can return the hook to you as it was delivered to Dart.

Please let us know how you would like to proceed.

Thanks,
SIAN WILLEMS

DART AEROSPACE

T 1 613 632-3336 > 239

M 1 613 676-0577

From: Lacey Cantin <lcantin@dartaero.com>

Sent: Tuesday, August 13, 2019 3:38 PM

To: Jerry Sullivan <sullivanj@htshelicopters.com>; Michael R Cleese <cleesem@htshelicopters.com>; Support <support@dartaero.com>

Subject: RE: HTR-5904, C-10 Hook

Good afternoon Jerry and Michael,

I have looped in my Support Team here as they will be able to get back to you in regards to the certification since testing was completed and everything passe d.

Please don't hesitate to let me know if I can be of further assistance.

Kindest Regards,

LACEY CANTIN

Inside Sales Representative

DART AEROSPACE

T 1 514 907-5959 > 247

1 800 556- 4166

www.dartaerospace.com

For technical support, click [here](#).

To access technical documentation, create your account [here](#).



From: Jerry Sullivan [<mailto:sullivanj@htshelicopters.com>]
Sent: August 13, 2019 2:16 PM
To: Lacey Cantin <lcantin@dartaero.com>; Michael R Cleese <cleesem@htshelicopters.com>
Subject: FW: HTR-5904, C-10 Hook

Jerry Sullivan

Helicopter Transport Services, LLC

14497 Keil Road NE

Aurora, OR 97002

Ph: 503-776-9300

Fax: 503-776-9305

From: Michael Cleese [<mailto:cleesem@htshelicopters.com>]
Sent: Tuesday, August 13, 2019 11:12 AM
To: cantin@dartaero.com
Cc: Jerry Sullivan <sullivanj@htshelicopters.com>; John Kenning <kenningj@htshelicopters.com>
Subject: HTR-5904, C-10 Hook

Good morning:

This is the hook that we had sent to you for testing. The P/O is requesting this unit be overhauled however you have tested this unit and was found serviceable. I wouldn't thin it requires an overhaul. Is it possible to certify as serviceable and ship it back?

Michael Robert Cleese

Logistics and Procurement Manager

Helicopter Transport Services LLC

Phone: 503-776-9300 x 111

Fax: 503-776-9305

Cell: 541-647-8650

14497 Keil Rd NE, Aurora, OR 97002

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Michael Robert Cleese

Logistics and Procurement Manager

Helicopter Transport Services LLC

Phone: 503-776-9300 x 111

Fax: 503-776-9305

Cell: 541-647-8650

14497 Keil Rd NE, Aurora, OR 97002

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